

SIMOTICS SD - 200 L - IM B3 - 4p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Safe Area

U	Δ / Y	f	P	P	I	n	M	$\eta^{3)}$			$\cos\varphi^{3)}$			I_A/I_N	M_A/M_N	M_K/M_N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I_I/I_N	T_I/T_N	T_B/T_N	
DOL duty (S1) - 155(F) to 130(B)																	
460	Δ	60	30.00	-/-	48.00	1778	161.0	94.1	94.3	93.8	0.83	0.78	0.68	8.1	3.0	3.5	IE3
IM B3 / IM 1001			FS 200 L		IP55		UKCA	IEC/EN 60034			IEC, DIN, ISO, VDE, EN					KS C IEC60034-2-	

Locked rotor time (hot / cold) : 28.4 s | 45 s

Sound level (SPL / SWL) at 50Hz 60Hz	65 / 72 dB(A) ^{2) 3)}	67 / 74 dB(A) ^{2) 3)}	Vibration severity grade	B
Moment of inertia	0.2400 kg m²		Thermal class	F
Bearing DE NDE	6212 2Z C3	6212 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad,min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	No		Net weight of the motor (IM B3)	240 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	Yes (standard)		Motor protection	(C) 6 PTC thermistors - for alarm and tripping (4 terminals)
External earthing terminal	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	25 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	27 mm - 35 mm
Type of terminal box	TB1 L01	Cable entry	2xM50x1,5-2xM20x1,5
Contact screw thread	M6	Cable gland	4 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
 M_A/M_N = locked rotor torque / torque nominal
 M_K/M_N = break down torque / nominal torque

1) L10mh according to DIN ISO 281 10/2010
2) at rated power / at full load

3) Value is valid only for DOL operation with motor design IC411

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
DI MC LVM		DT Configurator					
	document type			document status			
	datasheet			released			
	title			document number			
	1LE1543-2AB59-0AC4-Z						
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B02	Acceptance test certificate 3.1 acc. to EN 10204	M2F	460 VD for 60 Hz, 50-Hz power
L00	Vibration severity level B	Q80	Extension of the liability for defects by 12 months to a total of 24 months (2 years) from delivery

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
	document type datasheet				document status released		
	title 1LE1543-2AB59-0AC4-Z B02+L00+M2F+Q80				document number		
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